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FROM: Stephen C. MacDonald, Ph.D. 2737 **Our Ref. #:** 13721.105006

NUMBER OF PAGES (Including Cover Page): 10

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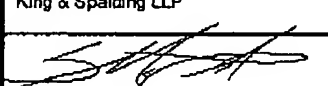
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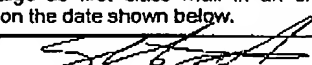
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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/754,456	RECEIVED CENTRAL FAX CENTER APR 17 2008
	Filing Date	January 9, 2004	
	First Named Inventor	Kary B. Mullis	
	Art Unit	1644	
	Examiner Name	David A. Saunders	
Total Number of Pages in This Submission	9	Attorney Docket Number	13139-0104CIP (13721.105006)

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
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Firm Name	King & Spalding LLP		
Signature			
Printed Name	Stephen C. MacDonald, Ph.D.		
Date	April 17, 2008	Reg. No.	60,401

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Typed or printed name	Stephen C. MacDonald, Ph.D.	Date	April 17, 2008

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Attorney Docket No. 13139-0104CIP (13721.105006)

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)

Kary B. Mullis)

Application No. 10/754,456)

Filing Date: January 9, 2004)

Title: Chemically Programmable Immunity)

Art Unit: 1644

Examiner: David A. Saunders

Confirmation No. 7994

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AMENDMENT AND RESPONSE TO OFFICE ACTION

Mail Stop Amendment
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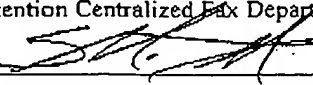
Applicant responds to the Office Action dated April 1, 2008. Please enter the following amendment and consider the following remarks.

Amendments to the Claims begin on page 2 of this paper.

Remarks begin on page 6 of this paper.

Conclusion begins on page 8 of this paper.

I hereby certify that this correspondence is being sent to the United States Patent and Trademark Office via facsimile transmission to 571-273-8300, attention Centralized Fax Department on April 17, 2008.



Stephen C. MacDonald, Ph.D., Reg. No. 60,401